SONY

## Professional Multiformat Monitor

# PVM-20L5/14L5

**Sony introduces the new 20 and 14-inch* PVM-L series multiformat monitors to its monitor line-up. Designed to support the wide variety of DTV formats, the PVM-20L5 and PVM-14L5 monitors offer excellent flexibility and performance, and provide an ideal solution for your current and future needs. Comparable in price to single format monitors, these monitors are suitable for production environments such as non-linear editing, post production and streaming media applications.**

**Viewable area, measured diagonally.*

Preliminary

## Multiformat signal support

**The PVM-20L5/14L5 is equipped with input connectors for composite, S-video (Y/C) and RGB/component signals. Also in combination with the optional input adaptors, it is able to accept a wide range of digital signals including 480/60I, 575/50I, 1035/60I, 1080/50I, 1080/60I and 720/60P. In addition to the current line of input adaptors, a new adaptor for SDTI-CP will be available in Fall 2001 and another adaptor for i.LINK™ (IEEE1394) is also planned to be available in the future to provide even more flexibility.**

## New compact design

**The PVM-20L5/14L5 is compact with the operational controls located on the sides. When compared with the conventional PVM-M series monitors, the PVM-20L5 can be mounted with one less rack space (9 rack unit height) and the PVM-14L5 with two less (6 rack unit height). LED lit sheet keys are adopted for the controls, and they can be turned off or their brightness can be controlled depending on user preference.**

## HR Trinitron® CRT

**Incorporating the Sony HR Trinitron CRT, the PVM-20L5/14L5 achieves a high resolution of 800 TV lines and offers SMPTE-C phosphors. Its outstanding color uniformity and performance offer superb picture performance.**

## Option slot

**The option slot gives the PVM-20L5/14L5 excellent flexibility. Depending on the particular system requirements, the most appropriate adaptor can simply be inserted in the option slot.**

## Six Language On-Screen Display

**The new window-type OSD makes monitor setup, adjustment and operation easy.**

## Parallel and serial remote

**With the parallel and RS-485 serial remote control capability, the PVM-20L5/14L5, along with the BVM monitors, can be controlled in one integrated, multi-monitor system.**

## Effective operational functions

**H/V Delay, Underscan, Blue Only, MONO, 4:3 Area Marker and three color Tally (Red, Green, Amber: R + G) functions are provided for optimal display.**

## Aspect ratio

**The PVM-20L5/14L5 is capable of displaying both 4:3 and 16:9 formats. A 16:9 aspect ratio mask is provided as an option.**

## Worldwide power supply

**The PVM-20L5/14L5 is capable of operating between AC 100 V to 240 V.**

## SPECIFICATIONS

| | | PVM-20L5 | PVM-14L5 |
|---|---|---|---|
| **General** | | | |
| CRT | CRT type | 20MT HR Trinitron | 14MT HR Trinitron |
| | AG pitch | 0.31 mm | 0.25 mm |
| | Phosphor | SMPTE-C | |
| | Visible picture size | 48.48cm (19-inch) diagonally | 33.16cm (14-inch) diagonally |
| Resolution (4:3/16:9) | | 800 TV lines (4:3), 600 TV lines (16:9) | |
| Color system | | NTSC, PAL | |
| Scanning frequency | | 15.625 kHz to 45.0 kHz (For more details, please refer to the Acceptable Formats table) | |
| Color temperature | | D65/D93/User adjustable | |
| Power requirements | | AC 100 to 240 V, 50/60 Hz | |
| Power consumption (with options, max.) | | Approx. 180 W | Approx. 150 W |
| Dimensions (W x H x D) | | 452 x 413 x 500 mm (17 7/8 x 16 3/8 x 19 3/4 inches) | 346 x 280 x 424 mm (13 5/8 x 11 1/8 x 16 3/4 inches) |
| Mass | | Approx. 32 kg (70 lb) | Approx. 18.6 kg (40 lb) |
| **Input/Output** | | | |
| Line A | Composite | Loop-through BNC, 1.0 Vp-p +3 dB -6 dB, sync negative, automatic 75 Ω termination | |
| | Y/C* | Loop-through Mini DIN 4-pin, automatic 75 Ω termination | |
| | Y | 1.0 Vp-p, sync negative | |
| | C | 0.286 Vp-p (NTSC), 0.3 Vp-p (PAL) | |
| Line B | Composite | Loop-through BNC, 1.0 Vp-p, sync negative, automatic 75 Ω termination | |
| RGB/Component | | Loop-through BNC, automatic 75 Ω termination | |
| | G/Y | 0.7 Vp-p +3 dB -6 dB | |
| | Sync on G | 0.3 Vp-p | |
| | B/B-Y | 0.7 Vp-p +3 dB -6 dB | |
| | R/R-Y | 0.7 Vp-p +3 dB -6 dB | |
| Ext. sync | | 4.0 Vp-p ±6 dB, sync negative | |
| | | usable tri-level sync signal 0.6 Vp-p ±6 dB | |
| Option slot | | x 1 | |
| Remote | Parallel remote | Modular 8-pin (assignable) | |
| | Serial remote | D-sub 9-pin (RS-485) | |
| Audio out | | 0.8 W (distortion: less than 5 %) | |
| **Safety regulations** | | UL-1950/CSA-950, DHHS/DNHW, FCC Class A/IC Class A | |
| **Operating conditions** | Operating temperature | 0 to 35°C (41 to 104°F) | |
| | Storage temperature | -10 to 40°C (-4 to 140°F) | |
| | Humidity | 30 to 85 % (No condensation) | |
| **Supplied accessories** | | AC Power Cord, Operation Manual | |
| **Optional accessories** | | Input Adaptor BKM-120D/129X/142HD, 16:9 Mask BKM-200M, Slide Rail Kit SLR-104 | Input Adaptor BKM-120D/129X/142HD, 16:9 Mask BKM-140M, Rack Mounting Bracket MB-521 |
| | To be available | Input Adaptors for SDTI-CP input (Fall 2001) and DV input (Schedule to be available) | |

* The Y/C input has priority over the Composite input.

## ACCEPTABLE FORMATS

| System | Horizontal scanning frequency (kHz) | Total lines per frame | Active lines per frame | Vertical scanning frequency (Hz) | Aspect |
|---|---|---|---|---|---|
| 480/60I (NTSC) | 15.734 | 525 | 483 | 60 | 16:9/4:3 |
| 575/50I (PAL) | 15.625 | 625 | 575 | 50 | 16:9/4:3 |
| 480/60P | 31.469 | 525 | 483 | 60 | 16:9/4:3 |
| 576/50P | 31.250 | 625 | 576 | 50 | 16:9/4:3 |
| 1080/50I | 28.125 | 1125 | 1080 | 50 | 16:9 |
| 1035/60I | 33.750 | 1125 | 1035 | 60 | 16:9 |
| 1080/60I | 33.750 | 1125 | 1080 | 60 | 16:9 |
| 720/60P | 45.000 | 750 | 720 | 60 | 16:9 |

*PVM-20L5*

*PVM-14L5*

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